

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

MODIFIED PTO/SB/08 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: August 6, 2003 (use as many sheets as necessary)			<b>Complete if Known</b>		
Sheet	1	of	3	Application Number 09/893,709	Filing Date 06/29/2001
				First Name and Inventor Lambert DANNER	Group Art Unit 2873
				Examiner Name S. Sugerman	Attorney Docket Number 016790-0430

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
SJA SP SP SP SP SP SP	A1	5,978,087		PATTERSON ET AL.	11/02/1999	
	A2	5,963,327		HE ET AL.	10/05/1999	
	A3	5,877,859		ASPINES ET AL.	03/02/1999	
	A4	5,349,471		MORRIS ET AL.	09/20/1984	
	A5	5,166,752		SPANIER ET AL.	11/24/1992	
	A6	4,671,657		CALVANI ET AL.	06/09/1987	
	A7	2002/0024669	A1	DANNER ET AL.	02/28/2002	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SJA SP SP SP SP SP SP	A8	JP	2002-098591	A	LEICA MICROSYSTEMS WETZLER GMBH	04/05/2002		Abstract
	A9	WO	99/02950	A1	OPTICAL INSIGHTS, LLC	01/21/1999		
	A10	WO	96/18205	A1	MOLECULAR DYNAMICS, INC.	06/13/1996		
	A11	WO	92/12404	A1	RUDOLPH RESEARCH CORPORATION	07/23/1992		
	A12	WO	91/14157	A2	BRAN + LUEBBE GMBH	09/19/1991		Abstract
	A13	EP	1 172 642	A2	LEICA MICROSYSTEMS WETZLER GMBH	01/06/2002		Abstract
	A14	JP	7-229720	A	NIHON DENKI KK	08/29/1995		Transl.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
SJA SP SP	A15	Affidavit from John Woollam, President of J.A. Woollam Co., Oct. 1, 2002.	
	A16	Affidavit from Hiroki Hashimoto of Fujitsu Corporation (English and Japanese language) dated 9/2/2002, along with Fujitsu Purchase Order sheet and Acceptance Report by Fujitsu of Woollam Company Achromatic focusing M-44 Ellipsometer dated 07/08/1999.	
	A17	Affidavit from Michio Suzuki of J.A. Woollam Co., Japan (English and Japanese language) dated 9/2/2002, along with Purchase Order Sheet by Japan company from J.A. Woollam Co., Lincoln, for an achromatic focusing M-44 for Fujitsu dated 7/5/1999.	

Examiner Signature <i>S. J. Sugerman</i>	Date Considered 12-2003
--	-------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

AUG 06 2003

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to collection of information unless it contains a valid OMB control number.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Date Submitted: August 6, 2003

(use as many sheets as necessary)

## Complete if Known

Application Number	09/893,709
Filing Date	06/29/2001
First Named Inventor	Lambert DANNER
Group Art Unit	2873
Examiner Name	S. Sugarman
Attorney Docket Number	016790-0430

Sheet 2 of 3

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
CA	A18	Affidavit from Gen Wang of Samsung Information Systems America, Inc., dated 08/28/2002, along with the Purchase Order and Original Quotation for achromatic focusing M-44 from J.A. Woollam Co., dated 01/07/1997.	
SA	A19	Affidavit from Erik Bylin, Materials Director, NANOMETRICS Corporation, 09/20/2002.	
SA	A20	Multiwavelength Ellipsometers, Vintage J.A. Woollam Co., M-44/M-88, December 1996.	
SA	A21	Letter from Roger Bruhn, R. Bruhn Photography + Design, with attachment.	
SA	A22	Multilayer Optical Spectrometer Scanner, SOPRA Brochure, March 1989, pages 2-6.	
SA	A23	Yufeng Li, "Flying Height Measurement on Al <sub>2</sub> O <sub>3</sub> Film of a Magnetic Slider", Tribology, Vol. 119, October 1997, pages 681-686.	
SA	A24	J. A. Zapien et al., "Real-time Spectroscopic Ellipsometry from 1.5 to 6.5 eV", Thin Solid Film, Vol. 364, Nos. 1,2, March 27, 2000, pages 16-21.	
SA	A24	E. Hecht, "More on Geometrical Optics", OPTICS, Chapter 6, 1977, pages 232-239.	
SA	A25	M. E. El-Ghazzawi et al., "Spectroellipsometry Characterization of Directly Bonded Silicon-on-Insulator Structures", Thin Solid Films, Vol. 223, 1993, pages 218-222.	
SA	A26	Edmund Industrial Optics, 1999 Optics and Optical Instruments Catalog pages, 3 pages	
CA	A27	Purchase Orders from Edmund Scientific Company to J.A. Woollam Co. dated October 14, 1999, April 13, 1998 and March 28, 1996.	

Examiner  
Signature

S. J. Sugarman

Date  
Considered

12-2003

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

AUG 06 2003

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: August 6, 2003

(use as many sheets as necessary)

## Complete if Known

Application Number	09/893,709
Filing Date	06/29/2001
First Named Inventor	Lambert DANNER
Group Art Unit	2873
Examiner Name	S. Sugarman
Attorney Docket Number	016790-0430

Sheet 3 of 3

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SA	A28	Alleged Evidence J.A. Woollam Co., sold Edmund Scientific Achromatic Lens to Fujitsu, Samsung, and Nanometrics including Bill of Materials of M44-FCS-OPTICS shipped 10/13/1999 showing EDMUND Part 32,311 Achromatic Lens 34.47 was included, 12 pages.	
SA	A29	Alleged Representative/Example Purchase Orders and Packing Lists for sales of J.A. Woollam focused (achromatic) spectroscopic M-44 ellipsometers to NANOMETRICS Corporation. Dates are prior to July 11, 2000, 6 pages.	
SA	A30	Order bills for M-44 Ellipsometer with achromatic focusing lenses for NANOMETRICS Corporation. Order numbers correspond with Packing List and Purchase Order Receiver numbers listed in Erik Bylin's Affidavit, 20 pages.	
SA	A31	Purchase Orders from Melles Griot Corp. to J.A. Woollam Co., for Achromatic Lenses, 1997, 8 pages.	
SA	A32	Purchase Order No. P9508-F29, J.A. Woollam Japan Corporation, December 1, 1995, 2 pages.	
SA	A33	J.A. Woollam Co., Inc., FS-110 Vertical Ellipsometer focused Beam System Upgrade Installation Instructions, 2-21-1994, pages 2-3.	
SA	A34	Advertisement for VASE, R&D Magazine, February 1999, page 38.	

Examiner  
Signature

S. J. Sugarman

Date  
Considered

12-2003

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.